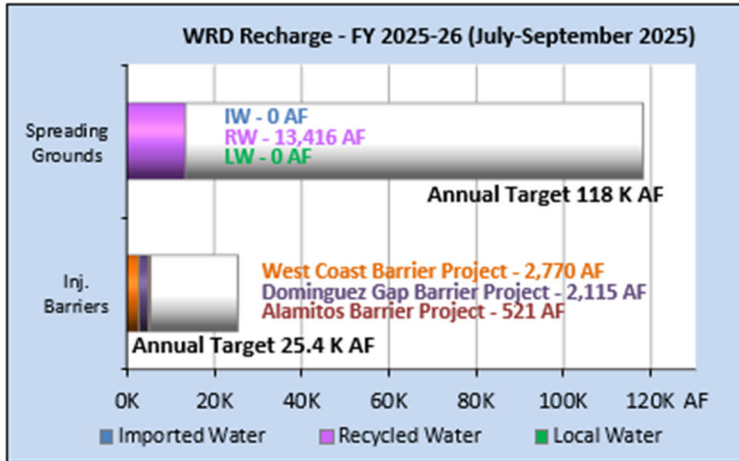


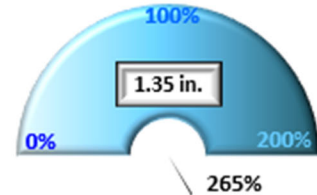
GROUNDWATER BASIN UPDATE FOR NOVEMBER 2025

GROUNDWATER BASINS AT A GLANCE*

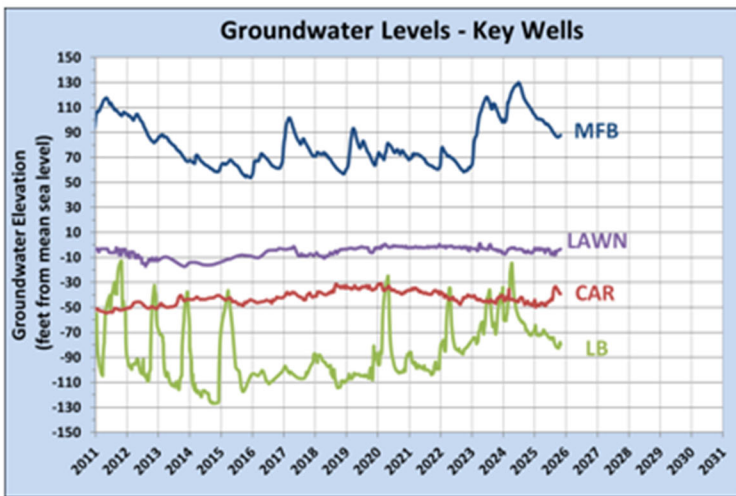


Precipitation % of Normal to Date

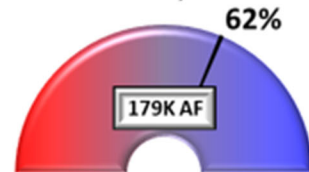
Oct 1, 2025 - Oct 31, 2025



Spreading Grounds Recharge
Jul-Sep 2025

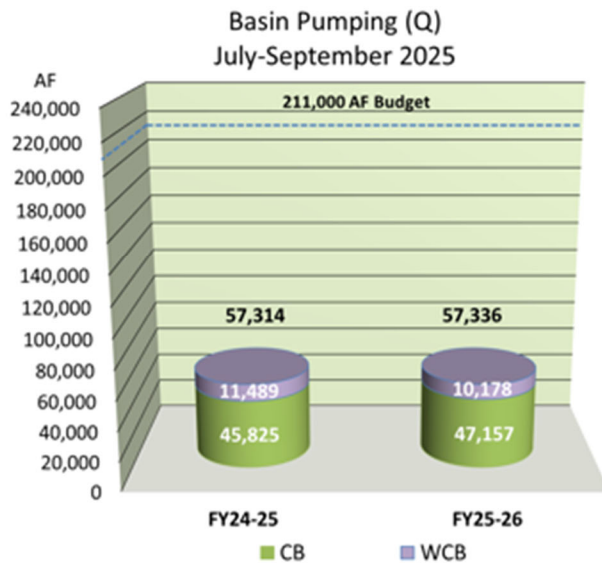
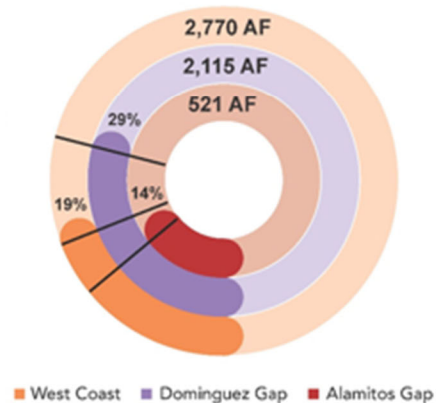


GW Basin Operating Range
October 30, 2025



Minimum Quantity (0 AF) Optimum Quantity (288K AF)

Seawater Barrier Recharge
Jul-Sep 2025



* - Preliminary numbers, subject to change.

SUMMARY

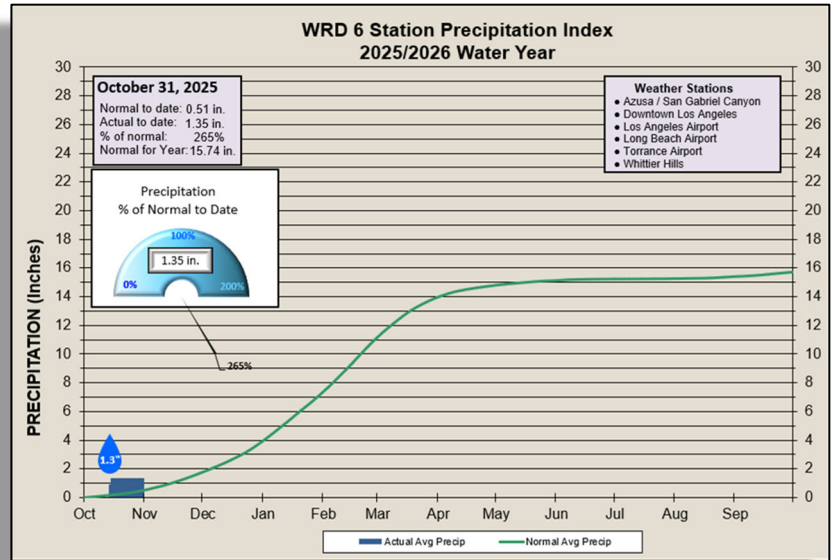
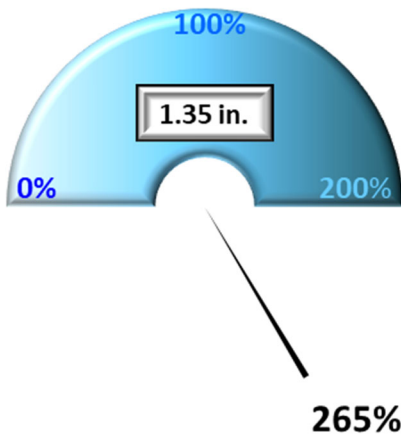
Staff monitors groundwater conditions in the District’s service area throughout the year. A summary of the latest information is presented below.

Precipitation (October 1, 2025 – October 31, 2025)

The WRD 6 Station Precipitation Index reports that for the 2024-25 Water Year, there has been above average rainfall (1.35 inches) through October 31, 2025. The normal rainfall for this time period is 0.51 inches, so the District is 265% of normal.

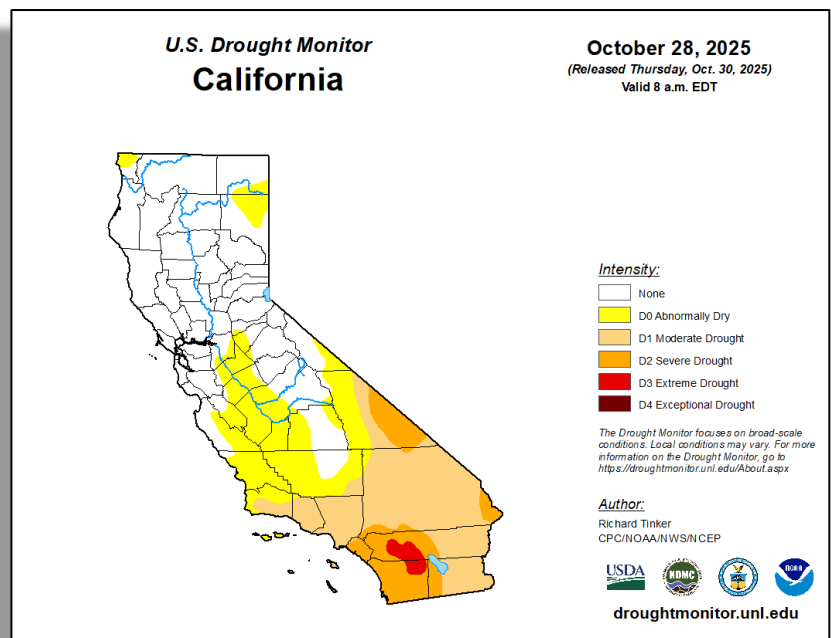
Precipitation % of Normal to Date

Oct 1, 2025 - Oct 31, 2025



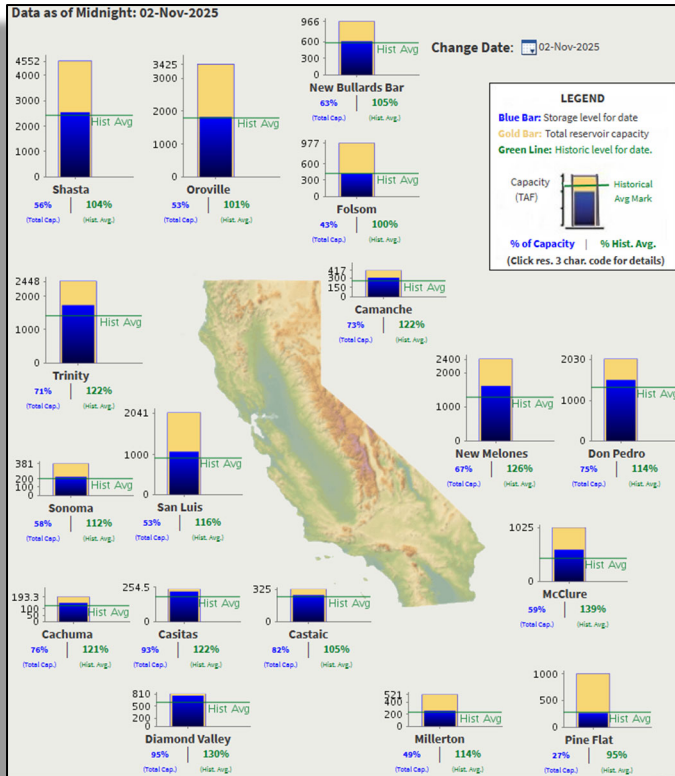
Drought Monitor (October 28, 2025)

As of October 30, 2025, the U.S. Drought Monitor is reporting 53% of the State is abnormally dry (down 20 %), 32% under moderate (down 7%), 10% under severe (down 9%), 1% under extreme (down same), and 0% exceptional (same) drought conditions. According to the U.S. Drought Monitor, Los Angeles County is currently in a moderate drought.



Select California Reservoirs (November 2, 2025)

For the 21 reservoirs reported monthly to the committee, water levels have increased in 7 of 21 reservoirs. The largest increase occurred at Pine Flat Reservoir and Lakes Powell and Mead (0.04 million acre feet, MAF) and smallest increase occurred at Lakes Castaic, Perris, and Silverwood (<0.01 MAF). The largest decrease (-0.21 MAF) occurred at Lake Oroville. The smallest decrease (<-0.01 MAF) occurred at Lakes Cachuma, Casitas, and Diamond Valley.



DWR Managed Reservoirs (SWP)
Storage in Million Acre Feet

Reservoir	Capacity	Storage	% Full	Change
Trinity Lake (CLE)	2.45	1.73	71%	-0.08
Lake Shasta (SHA)	4.55	2.54	56%	-0.13
Lake Oroville (ORO)	3.54	1.82	53%	-0.21
New Bullards Bar (BUL)	0.97	0.61	63%	-0.04
Folsom Lake (FOL)	0.98	0.42	43%	-0.02
Camanche Lake (CMN)	0.42	0.30	73%	-0.01
New Melones L. (NML)	2.40	1.62	67%	-0.01
Don Pedro Res (DNP)	2.03	1.51	75%	-0.05
Lake McClure (EXC)	1.02	0.61	59%	-0.03
Lake Sonoma (WRS)	0.38	0.22	58%	-0.01
San Luis Res (SNL)	2.04	1.07	53%	-0.01
Millerton Lake (MIL)	0.52	0.26	49%	0.01
Pine Flat Res. (PNF)	1.00	0.27	27%	0.04
Cachuma Lake (CCH)	0.19	0.15	76%	0.00
Castaic Lake (CAS)	0.33	0.27	82%	0.00
Casitas Lake (CSI)	0.25	0.22	93%	0.00
Perris Lake (PRR)	0.13	0.13	96%	0.00
L. Silverwood (SLW)	0.08	0.07	93%	0.00

USBR and MWD Reservoirs (CRA)
Storage in Million Acre Feet

Reservoir	Capacity	Storage	% Full	Change
Lake Powell	23.31	6.80	29%	0.04
Lake Mead	26.12	8.24	32%	0.04
Diamond Valley L (DVL)	0.81	0.77	95%	0.00

Black Text - Decrease or no change in storage since the last report.
Green Text - Increase in storage since the last report.

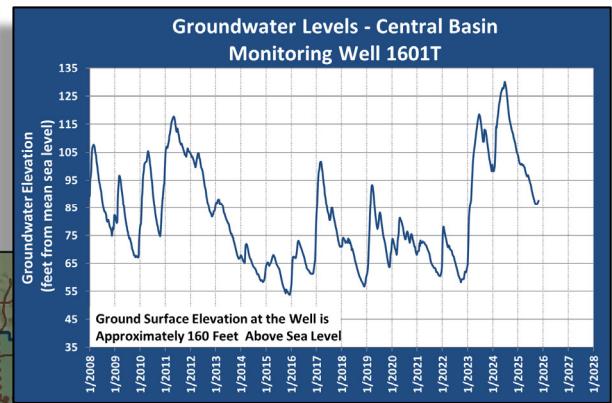
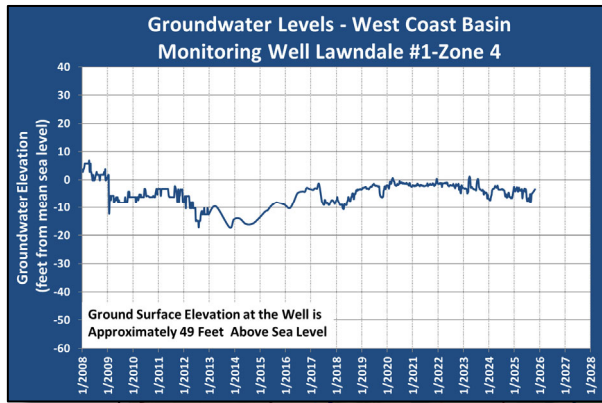
These 21 reservoirs are at 40% capacity (29.61 MAF) which is down 0.48 MAF (-0.7%) from the prior month (-0.55 MAF State Water Project [SWP] and +0.07 MAF Colorado River Aqueduct [CRA]).



Did you know?
Groundwater provides much of the flow of many streams; many lakes and streams are "windows" to the water table.

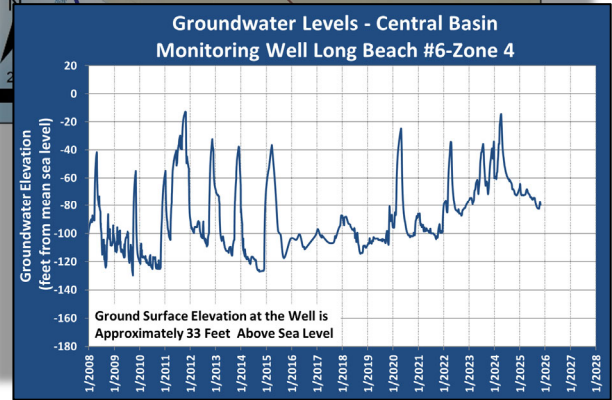
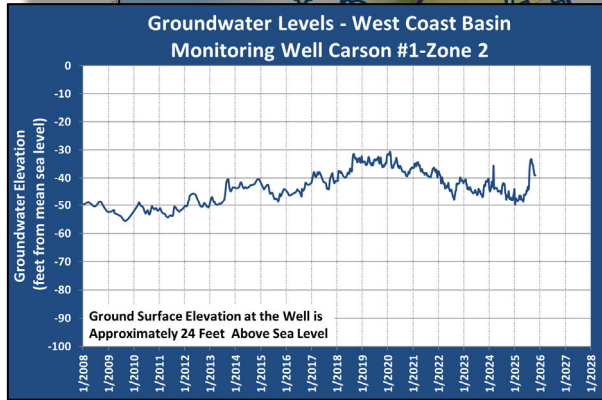
Groundwater Levels (October 30, 2025)

Groundwater levels in key monitoring wells are shown in the hydrographs below.



Central Basin Key Well Long Beach #6 and West Coast Basin Key Wells Lawndale #1 & Carson #1 are in a confined aquifer and do not respond readily to rainfall but instead to changes in pumping patterns and barrier recharge.

Central Basin Key Well 1601T is between the two spreading grounds and rises rapidly with rainfall and replenishment but falls sharply during dry spells and lack of replenishment.



Groundwater Level Changes in Key Wells

Well Name	Since Last Report	Since Same Time the Previous Year
Central Basin Key Well 1601T	Increased 1.4 feet	Decreased 25.5 feet
Central Basin Key Well Long Beach #6 4	Increased 2.6 feet	Decreased 8.6 feet
West Coast Basin Key Well Lawndale #1 4	Increased 1.2 feet	Increased 2.8 feet
West Coast Basin Key Well Carson #1 2	Decreased 3.6 feet	Increased 8.6 feet

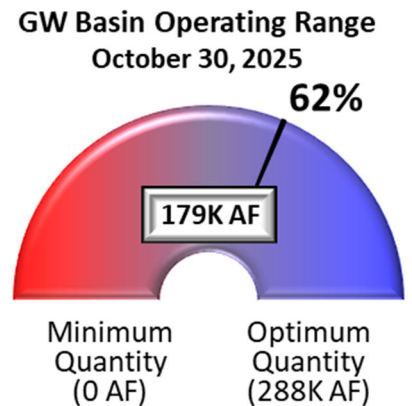
Bold indicates a change in direction (decreasing or increasing) since the last report.

Optimum and Minimum Groundwater Quantity (October 30, 2025)

The Board of Directors adopted an Optimum and Minimum Quantity for groundwater in the District to define an appropriate operating range that would sustain adjudicated pumping rights, leave room for future storage projects, and identify a lower limit. The amounts are based on the accumulated overdraft concept, which the District tracks year by year based on changes in groundwater storage.

After an extensive review of over 70 years of water level fluctuations and discussions with the Board and pumping community, Water Year 1999/2000 was recognized as a representative year for the Optimum Quantity, which equated to an accumulated overdraft of approximately 612,000 acre feet. The Minimum Quantity was defined as an accumulated overdraft of 900,000 acre feet, which allowed an operating range from 0 acre feet (minimum) to 288,000 acre feet (optimum). The Board also adopted a policy to make up the groundwater deficit should the accumulated overdraft fall too far below the Optimum Quantity.

The Accumulated Overdraft as of October 30, 2025, has been estimated at 721,327 acre feet (subject to change), which is 178,673 acre feet above the Minimum Quantity and 109,327 acre feet below Optimum Quantity. The Basin is at 62% of Optimum Quantity which is 2% higher than what was reported last month (~6K AF higher).



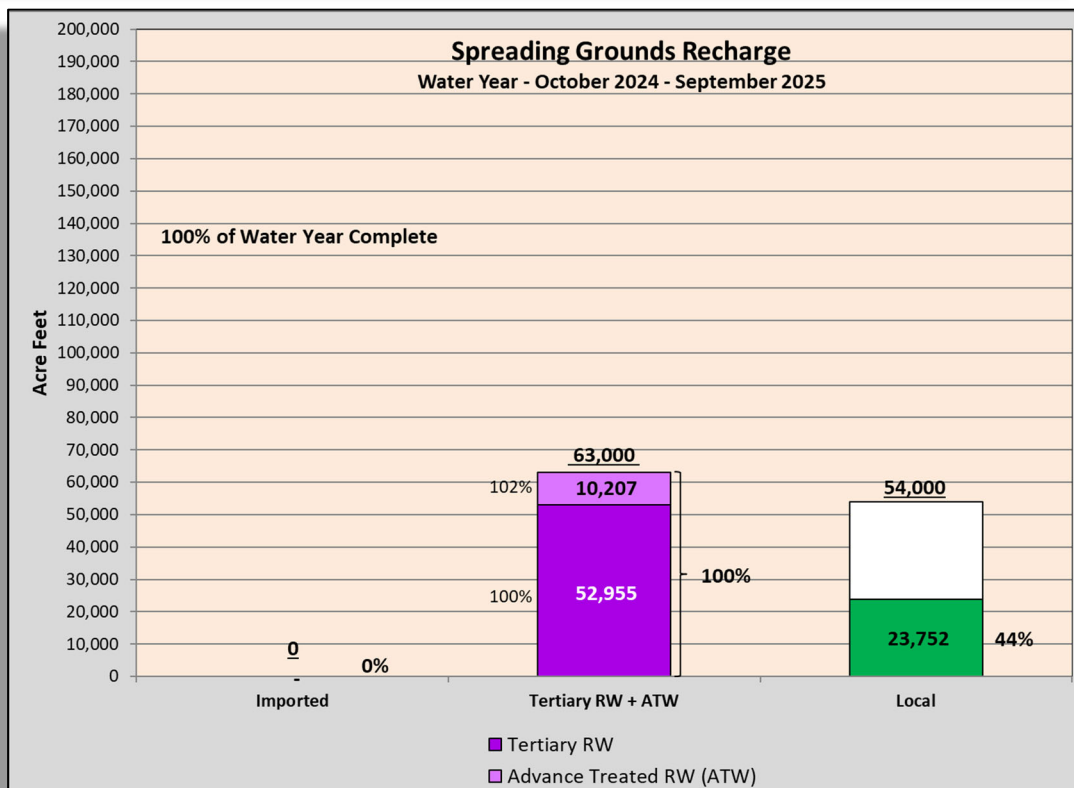
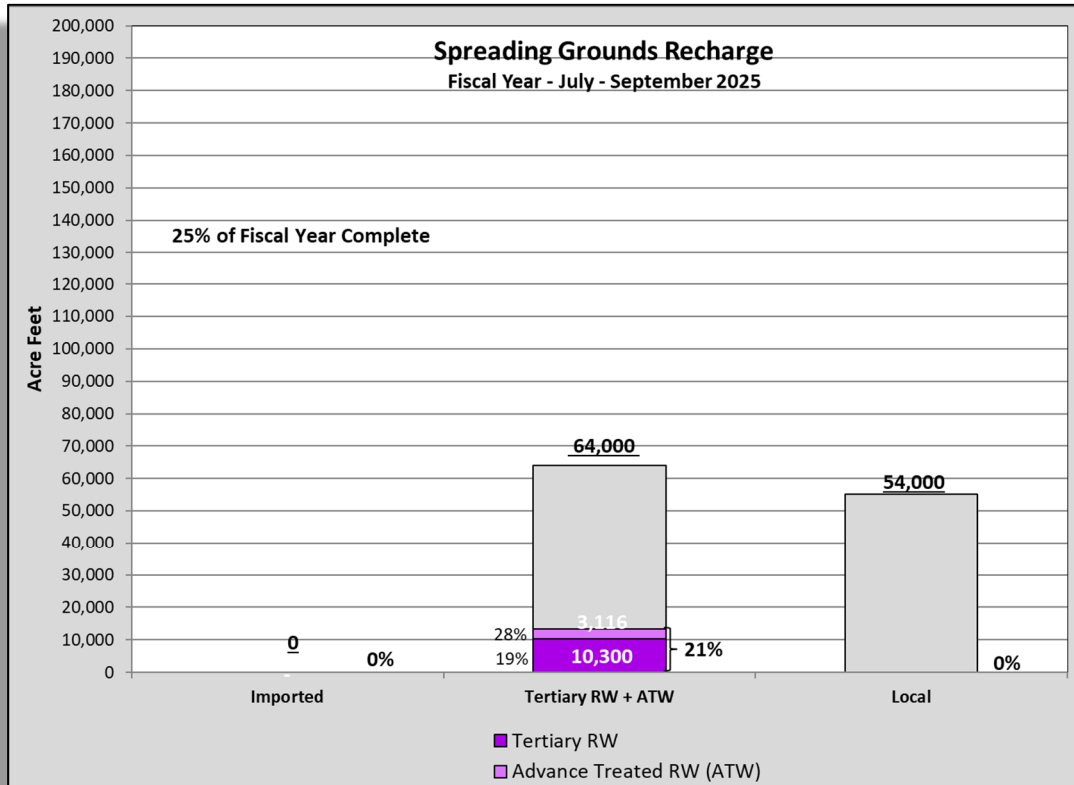
FACT:

In California uses the most groundwater at 10.7 to 17.4 billion gallons a day, which is nearly double the second ranked state, Texas at 7.2 to 8.02 billion gallons a day. The national daily average is 82.3 billion gallons.



Montebello Forebay Spreading Grounds (July-September 2025)

The following Charts show the preliminary spreading grounds replenishment water for the current Fiscal Year (2025-26; 3 months) and Water Year (2024-25; 12 months):

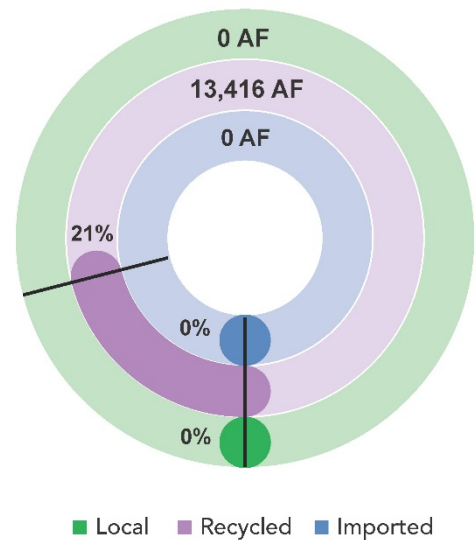


No imported water purchases were planned for Fiscal Year 2025-26.

Local water (stormwater plus dry weather urban runoff) is captured by the Los Angeles County Department of Public Works (LACPW) at the spreading grounds for recharge. Local water amounts are determined as the sum of the total water conserved at the spreading grounds less the imported and recycled water deliveries. For the 2025-26 Fiscal Year, zero (0) acre feet of local water capture have been reported by the LACPW.

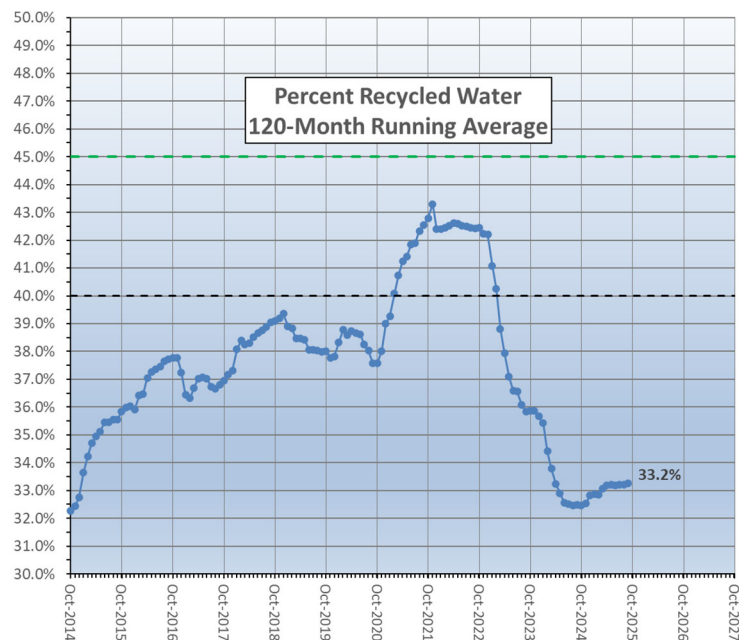
Preliminary numbers for the 2025-26 Fiscal Year show that approximately 13,416 acre feet of recycled water has been recharged with 3,116 acre feet consisting of advanced treated water from the ARC AWTF and 10,300 acre feet of tertiary recycled water. Presuming the advanced treated water as “Null Water”, the 120-month running average of the recycled water contribution in the Montebello Forebay is 33.2% and the regulatory maximum is 45%, with additional monitoring being required once 40% is reached.

Spreading Grounds Recharge
Jul-Sep 2025



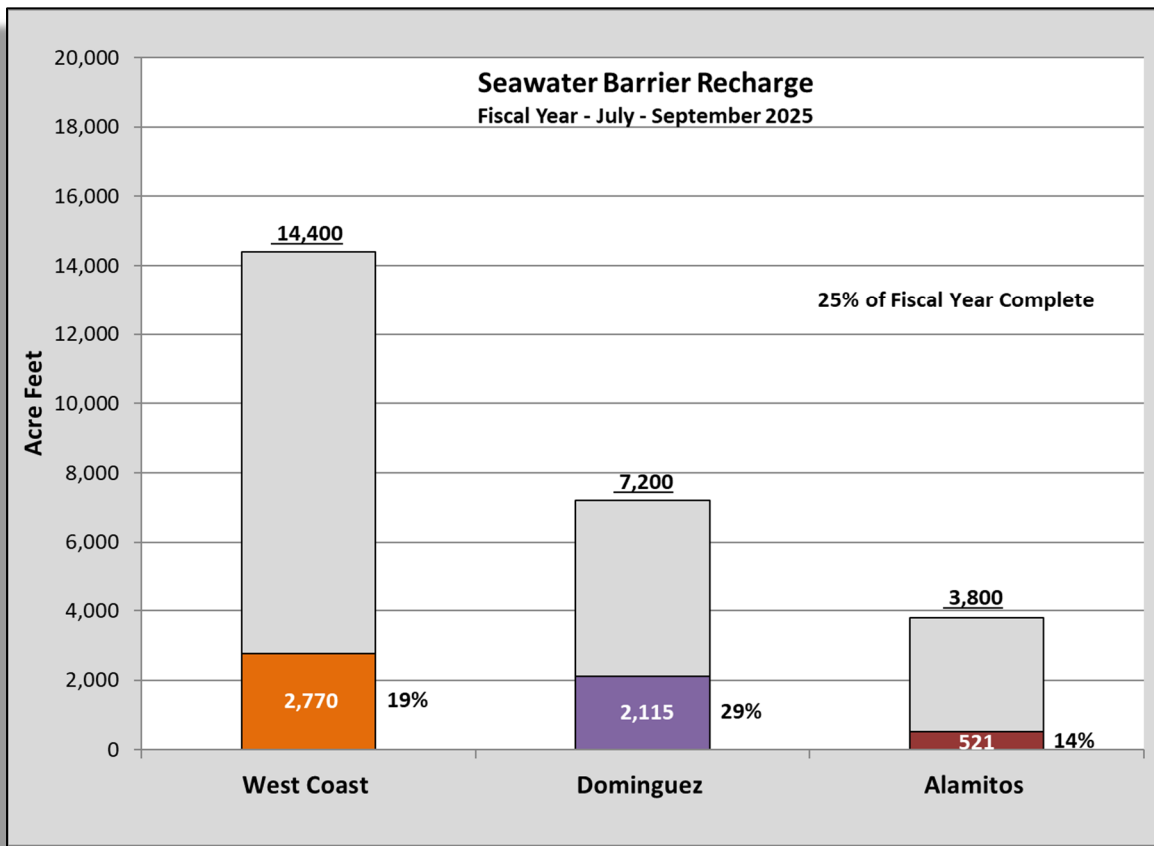
Tertiary Recycle Water Permit Update

The permit is continuing to progress with LACSD and WRD staff working to update pertinent sections of the new Title 22 Engineering Report. Due to the persistent drought conditions over the past few decades and associated emergency drought proclamation by Governor Newsom, LACSD and WRD submitted a request to modify the recycled water contribution percentage to 50% and the advanced treated water classification to diluent in a letter to the LARWQCB and CA-DDW dated July 8, 2022. LACSD and WRD staff are targeting 2025 to have the new Title 22 Engineering Report submitted, including the requests to increase the recycled water contribution percentage to 50% and reclassify the advanced treated water as diluent.



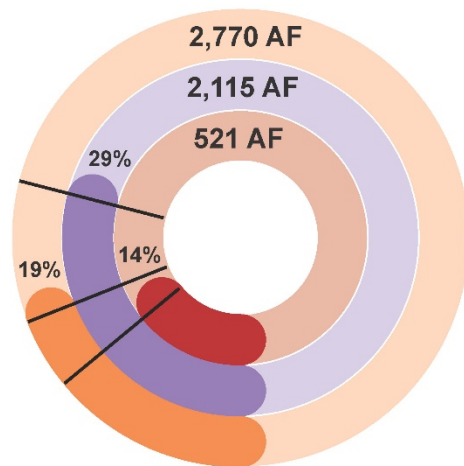
Seawater Barrier Well Injection and Replenishment (July-September 2025)

The following Chart shows the barrier water injection:



Preliminary numbers for the 2025-26 Fiscal Year show that the West Coast Barrier has used 2,770 acre feet of the total 14,400 acre feet planned for injection, 19% of total for the Fiscal Year. The Dominguez Gap Barrier used 2,115 acre feet of the total 7,200 acre feet planned for injection, 29% of the total for the Fiscal Year. The Alamitos Gap Barrier, on the WRD side, used 521 acre feet of the total 3,800 acre feet planned for injection, 14% of the total for the Fiscal Year. Advanced Treated Recycled Water (ATW) usage at the three barriers for the Fiscal Year to date is 75% at the West Coast Barrier (+13%), 64% at the Dominguez Gap Barrier (+4%), and 17% Alamitos Gap Barrier (+17%). The combined ATW usage at all three barriers is 65% (+9%).

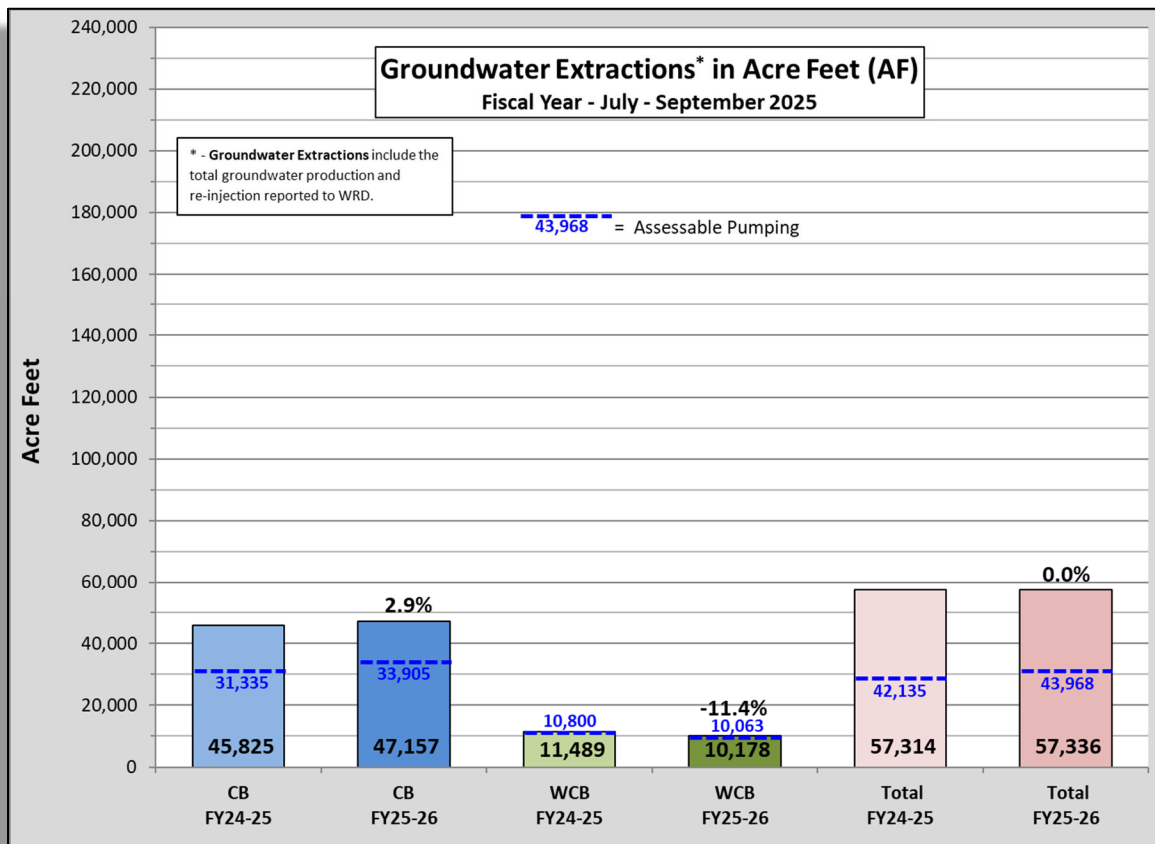
Seawater Barrier Recharge
Jul-Sep 2025



Legend: West Coast (Orange), Dominguez Gap (Purple), Alamitos Gap (Red)

Total Pumping (Fiscal Year 2025-26, July-September 2025)

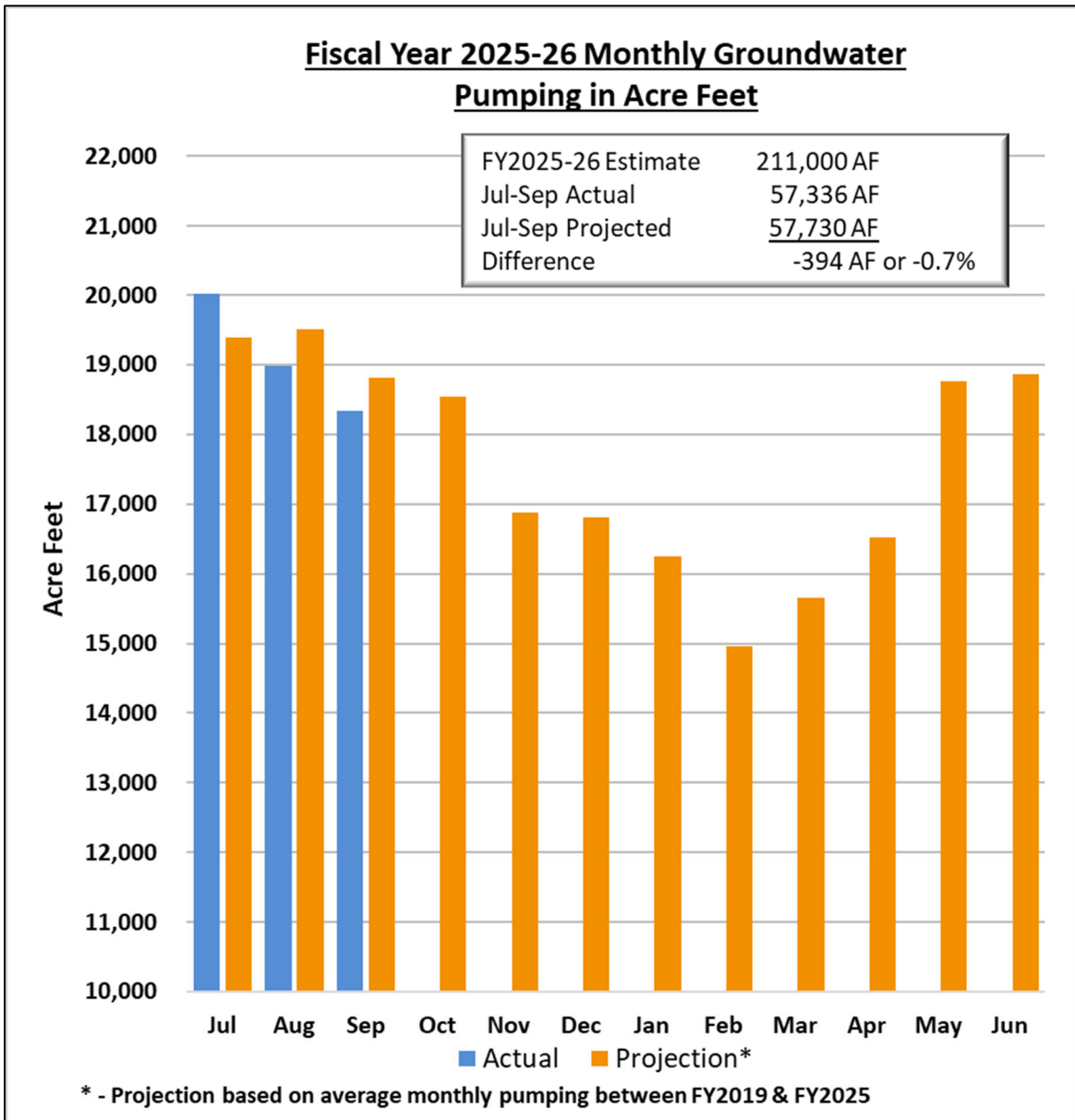
Preliminary numbers for groundwater production in the District for the Fiscal Year 2025-26 (July-September) indicate total pumping in the Central Basin was up 1,333 acre feet from the same time of the previous fiscal year (+2.9%) and the West Coast Basin total pumping was 1,311 acre feet lower than the previous fiscal year (-11.4%). The total pumping is 57,336 acre feet compared to 57,314 acre feet during the same time the previous year for an increase of 22 acre feet, or +0.0%. The current pumping data does not include eight (8) Central Basin pumpers and one (1) West Coast Basin pumper, who have not yet reported, for an estimated 3 additional acre feet.



Interesting...

Approximately 500,000 new residential wells are constructed annually, according to NQWA estimates. In California alone, approximately 7,000 to 15,000 new municipal water wells are constructed annually.

Preliminary numbers indicate 57,336 acre feet of groundwater have been pumped this fiscal year and is 0.7% below the projected fiscal year to date goal of 57,730 acre feet (or -394 acre feet). Monthly actual production versus the 7-year average monthly production projections (FY 2019 through 2025) are included in the chart below.



"You never miss the water...
 ...'til it's gone" *Gerry Deveau*



For the Fiscal Year 2025-26 (July-September 2025), staff has tracked the production trends of the top five (5) producing pumpers and the bottom five (5) producing pumpers in each basin. These pumpers are identified in the following tables and are based on the change in volume (in acre feet) compared to the same time period for the previous Fiscal Year. Production data for all the pumpers can be found in the attached Exhibit A (Central Basin) and Exhibit B (West Coast Basin).

Production Trends - Central Basin				
Top 5 Producing <u>by Volume</u> (AF)	Jul 2024 – Sept 2024	Jul 2025 – Sept 2025	Difference	% Change
Liberty Utilities - CB	1,107.15	2,003.57	896.42	80.97
Lynwood, City	895.93	1,416.24	520.31	58.07
Whittier, City	1,426.81	1,728.05	301.24	21.11
Cal. Water Service Co. (East LA)	2,768.41	3,003.07	234.66	8.48
Long Beach, City - CB	8,318.29	8,517.63	199.34	2.40
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2024 – Sept 2024	Jul 2025 – Sept 2025	Difference	% Change
Golden State Water Co. - CB	4,765.41	4,389.53	-375.88	-7.89
Santa Fe Springs, City	608.94	394.12	-214.82	-35.28
Suburban Water Systems	721.80	532.63	-189.17	-26.21
Maywood Mutual No. 1	172.64	0.30	-172.34	-99.83
Commerce, City	439.50	366.04	-73.46	-16.71

Production Trends – West Coast Basin				
Top 5 Producing <u>by Volume</u> (AF)	Jul 2024 – Sept 2024	Jul 2025 – Sept 2025	Difference	% Change
Cal. Water Service Co./Hawthorne Lease	25.57	343.75	318.18	1,244.35
L.A. County Department of Parks	127.31	268.55	141.24	110.94
Cal. Water Service Co. Alpha 7050	282.86	397.72	114.86	40.61
Torrance, City	1,217.32	1,305.05	87.73	7.21
Manhattan Beach, City	29.78	114.07	84.29	283.04
Bottom 5 Producing <u>by Volume</u> (AF)	Jul 2024 – Sept 2024	Jul 2025 – Sept 2025	Difference	% Change
Tesoro Refining	2,134.42	1,312.65	-821.77	-38.50
Cal. Water Service Co. Dominguez - WB	1,448.35	1,056.87	-391.48	-27.03
Phillips 66 Co. - Alpha 7093	1,496.70	1,319.47	-177.23	-11.84
Golden State Water Co. - WB	2,939.19	2,764.76	-174.43	-5.93
Rolling Hills Country Club	171.00	130.00	-41.00	-23.98

Water Replenishment District (WRD) publishes the Groundwater Basin Update (GWBU) monthly. All information contained herein is preliminary and is meant to be a snapshot of the status of the basins at the time of publication and should not constitute an official WRD report. All the information presented in the GWBU utilizes the best available data at the time of publication. Data provided herein is a compilation of WRD data and publicly available information from several of our partners including, but not limited to, the Los Angeles County Department of Public Works - Stormwater Engineering Division, Metropolitan Water District of Southern California, California Department of Water Resources, US Bureau of Reclamation, University of Nebraska - Lincoln, and the US Department of Agriculture - Natural Resources Conservation Service. The GWBU is prepared by Senior Hydrogeologist, Everett Ferguson, who can be contacted directly with questions at eferguson@wrd.org.

Central Basin Production Trends

Central Basin	July 2024 - September 2024	July 2025 - September 2025	Difference	%Change
ABC USD	2.02	7.76	5.74	284.16
American Text. M.	17.13	21.87	4.74	27.67
Artesia, City	0.72	0.90	.18	25.00
Atlas Iron and Metal Co.	0.10	0.00	-.10	-100.00
Bell Gardens, City	0.00	0.00	.00	0.00
Bellflower Home Garden	0.00	0.00	.00	0.00
Bellflower-Somerset MWC	1,365.29	1,354.59	-10.70	-0.78
Boeing Co.	21.26	20.44	-.82	-3.86
Boeing, Compton Site	13.40	19.60	6.20	46.27
Cal. American Water Co. Alpha 0679	467.57	490.88	23.31	4.99
Cal. Water Service Co. (East LA)	2,768.41	3,003.07	234.66	8.48
Cal. Water Service Co. Dominguez - CB	323.30	332.25	8.95	2.77
Caltrans	1.56	13.28	11.72	751.28
Cerritos, City	2,160.14	2,262.23	102.09	4.73
Coast Packing Co.	33.66	32.61	-1.05	-3.12
Commerce, City	439.50	366.04	-73.46	-16.71
Compton, City	1,882.22	1,906.11	23.89	1.27
Darling-Delaware Co.	0.00	0.00	.00	0.00
Defense Logistic Agency	0.61	0.15	-.46	-75.41
Dememno Kerdoon	0.61	0.98	.37	60.66
Downey, City	3,922.10	3,906.72	-15.38	-0.39
El Rancho Unified School District	0.00	0.00	.00	0.00
Golden State Water Co. - CB	4,765.41	4,389.53	-375.88	-7.89
HMB Bandini, LLC	0.07	0.03	-.04	-57.14
Huntington Park, City - Alpha 2378	726.02	759.03	33.01	4.55

Central Basin	July 2024 - September 2024	July 2025 - September 2025	Difference	%Change
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	70.84	67.67	-3.17	-4.47
La Habra Heights County WD	829.07	832.20	3.13	0.38
Lakewood - City	1,931.04	1,911.27	-19.77	-1.02
Liberty Utilities - CB	1,107.15	2,003.57	896.42	80.97
Little Lake Cemetery District	0.00	0.00	.00	0.00
Long Beach, City - CB	8,318.29	8,517.63	199.34	2.40
Los Angeles, City - CB	4.73	3.26	-1.47	-31.08
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	9.53	9.43	-.10	-1.05
Lynwood, City	895.93	1,416.24	520.31	58.07
Maywood Mutual No. 1	172.64	0.30	-172.34	-99.83
Maywood Mutual No. 2	246.04	266.19	20.15	8.19
Maywood Mutual No. 3	380.69	384.84	4.15	1.09
Montebello Land and Water Co.	825.31	917.08	91.77	11.12
Newark Group, Inc.	35.29	4.59	-30.70	-86.99
Norwalk, City	109.17	85.20	-23.97	-21.96
Omega OU1/OU3 LLC	1.82	2.00	.18	9.89
Orchard Dale Water District	554.76	601.98	47.22	8.51
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	3.27	2.64	-.63	-19.27
Paramount USD	0.16	2.04	1.88	1,175.00
Paramount, City	706.81	678.16	-28.65	-4.05
Pico Rivera, City	1,124.79	1,197.97	73.18	6.51
Pico Water District	733.99	778.40	44.41	6.05
Rockview Dairies	42.96	40.83	-2.13	-4.96
Roman Catholic Archbishop - CB	118.51	73.93	-44.58	-37.62
Rowland Water District	0.00	0.00	.00	0.00

Central Basin	July 2024 - September 2024	July 2025 - September 2025	Difference	%Change
San Gabriel Valley Water Co.	873.49	915.08	41.59	4.76
Santa Fe Springs, City	608.94	394.12	-214.82	-35.28
Scantlebury, Robert P.	0.12	0.13	.01	8.33
Signal Hill, City	202.78	175.17	-27.61	-13.62
South Gate, City	2,235.28	2,212.04	-23.24	-1.04
South Montebello Irrigation Dist	470.71	421.38	-49.33	-10.48
Southern California Edison Co. - CB	0.00	0.00	.00	0.00
St. John Bosco School	4.10	0.00	-4.10	-100.00
Suburban Water Systems	721.80	532.63	-189.17	-26.21
Tract 180 Water Co.	326.68	326.50	-.18	-0.06
Tract 349 Mutual Water Co.	170.50	168.48	-2.02	-1.18
Vernon, City	1,211.26	1,170.51	-40.75	-3.36
Virginia Country Club	115.72	127.38	11.66	10.08
Walnut Park Mutual	288.15	281.54	-6.61	-2.29
Whittier Union HSD	9.90	7.24	-2.66	-26.87
Whittier, City	1,426.81	1,728.05	301.24	21.11
WRD	24.59	22.39	-2.20	-8.95
Yamamoto, Alice	0.00	0.00	.00	0.00

West Coast Basin Production Trends

West Basin	July 2024 - September 2024	July 2025 - September 2025	Difference	%Change
ABC Nursery	4.02	2.00	-2.02	-50.25
Boeing-WB	0.00	23.83	23.83	0.00
Cal. Water Service Co. Alpha 7050	282.86	397.72	114.86	40.61
Cal. Water Service Co. Dominguez - WB	1,448.35	1,056.87	-391.48	-27.03
Cal. Water Service Co./Hawthorne Lease	25.57	343.75	318.18	1,244.35
CEMEX, Inc.	0.00	0.00	.00	0.00
Eco Services Operations	37.08	45.60	8.52	22.98
Golden State Water Co. - WB	2,939.19	2,764.76	-174.43	-5.93
Hillside Memorial Park	49.54	45.91	-3.63	-7.33
Honeywell International	0.00	0.00	.00	0.00
Honeywell International (NCWUP)	0.00	0.00	.00	0.00
Inglewood, City	406.37	464.09	57.72	14.20
Kinder Morgan Liquids Terminals	7.12	14.39	7.27	102.11
L.A. County Department of Parks	127.31	268.55	141.24	110.94
L.A. County Sanitation Districts (WWRF)	0.00	0.00	.00	0.00
Lockheed Martin Corp. NCWUP	0.00	0.00	.00	0.00
Lomita, City	0.00	5.05	5.05	0.00
Long Beach, City - WB	0.00	0.00	.00	0.00
Manhattan Beach, City	29.78	114.07	84.29	283.04
Montrose Chemical Corp.	0.05	-1.09	-1.14	-2,280.00
Myron Z. Chalavin	0.00	0.00	.00	0.00
Phillips 66 Co. - Alpha 7093	1,496.70	1,319.47	-177.23	-11.84
Rolling Hills Country Club	171.00	130.00	-41.00	-23.98
Roman Catholic Archbishop - WB	87.99	147.71	59.72	67.87
SCI Funeral Services	14.85	22.35	7.50	50.51

West Basin	July 2024 - September 2024	July 2025 - September 2025	Difference	%Change
Shell Oil (Wilmington)	4.97	4.35	-.62	-12.47
Shell Oil Co NCWUP	19.86	39.72	19.86	100.00
Southern California Edison Co. - WB	5.22	6.55	1.33	25.48
Tesoro Refining	2,134.42	1,312.65	-821.77	-38.50
Torrance Refining	277.74	237.89	-39.85	-14.35
Torrance, City	1,217.32	1,305.05	87.73	7.21
West Basin Brewer Desalter	0.00	0.00	.00	0.00